

Release notes for ENDF/B Development n-095_Am_244
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=9552, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=9552, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 151 TO 227
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=9552, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=9552, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 151
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 1, MT=452 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9552, MF= 1, MT=452
SECTION 1/452 NOT IN DIRECTORY RECORD NUMBER 228
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 1, MT=455 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9552, MF= 1, MT=455
SECTION 1/455 NOT IN DIRECTORY RECORD NUMBER 234
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 1, MT=456 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9552, MF= 1, MT=456
SECTION 1/456 NOT IN DIRECTORY RECORD NUMBER 242
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 1, MT=458 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9552, MF= 1, MT=458
SECTION 1/458 NOT IN DIRECTORY RECORD NUMBER 247
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9552, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 260
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 1 (0): Directory (b)

- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 1 | RECORD NUMBER | 266 |
| SECTION 3/ 1 NOT IN DIRECTORY | | |
8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 2 | RECORD NUMBER | 341 |
| SECTION 3/ 2 NOT IN DIRECTORY | | |
9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 4 (0): Directory (b)
- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 4 | RECORD NUMBER | 371 |
| SECTION 3/ 4 NOT IN DIRECTORY | | |
10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 16 | RECORD NUMBER | 396 |
| SECTION 3/ 16 NOT IN DIRECTORY | | |
11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 17 | RECORD NUMBER | 406 |
| SECTION 3/ 17 NOT IN DIRECTORY | | |
12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 18 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 18 | RECORD NUMBER | 414 |
| SECTION 3/ 18 NOT IN DIRECTORY | | |
13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 37 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 37 | RECORD NUMBER | 478 |
| SECTION 3/ 37 NOT IN DIRECTORY | | |
14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 51 | RECORD NUMBER | 484 |
| SECTION 3/ 51 NOT IN DIRECTORY | | |
15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 52 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 52 | RECORD NUMBER | 509 |
| SECTION 3/ 52 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 53 | RECORD NUMBER | 533 |
| SECTION 3/ 53 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 54 | RECORD NUMBER | 557 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 55 | RECORD NUMBER | 580 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 56 | RECORD NUMBER | 603 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 57 | RECORD NUMBER | 626 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 58 | RECORD NUMBER | 648 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 59 | RECORD NUMBER | 670 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 60 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 60 | RECORD NUMBER | 691 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 61 | RECORD NUMBER | 712 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 62 | RECORD NUMBER | 732 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 63 | RECORD NUMBER | 752 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 64 | RECORD NUMBER | 771 |
| SECTION 3/ 64 NOT IN DIRECTORY | | |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 65 | RECORD NUMBER | 790 |
| SECTION 3/ 65 NOT IN DIRECTORY | | |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 66 | RECORD NUMBER | 809 |
| SECTION 3/ 66 NOT IN DIRECTORY | | |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 67 | RECORD NUMBER | 827 |
| SECTION 3/ 67 NOT IN DIRECTORY | | |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 68 (0): Directory (b)

- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 68 | |
| SECTION 3/ 68 NOT IN DIRECTORY | RECORD NUMBER 845 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 69 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 69 | |
| SECTION 3/ 69 NOT IN DIRECTORY | RECORD NUMBER 863 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 70 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 70 | |
| SECTION 3/ 70 NOT IN DIRECTORY | RECORD NUMBER 880 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 71 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 71 | |
| SECTION 3/ 71 NOT IN DIRECTORY | RECORD NUMBER 897 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 72 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 72 | |
| SECTION 3/ 72 NOT IN DIRECTORY | RECORD NUMBER 913 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 73 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 73 | |
| SECTION 3/ 73 NOT IN DIRECTORY | RECORD NUMBER 929 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 74 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 74 | |
| SECTION 3/ 74 NOT IN DIRECTORY | RECORD NUMBER 945 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 75 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 75 | |
| SECTION 3/ 75 NOT IN DIRECTORY | RECORD NUMBER 960 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT= 91 (0): Directory (b)

- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT= 91 | |
| SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER 975 |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 3, MT=102 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 3, MT=102 | |
| SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER 990 |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 2 (0): Directory (b)
- | | |
|--|--------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 2 | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 1022 |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 16 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 16 | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1261 |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 17 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 17 | |
| SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER 1272 |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 18 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 18 | |
| SECTION 4/ 18 NOT IN DIRECTORY | RECORD NUMBER 1283 |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 37 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 37 | |
| SECTION 4/ 37 NOT IN DIRECTORY | RECORD NUMBER 1294 |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 51 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 51 | |
| SECTION 4/ 51 NOT IN DIRECTORY | RECORD NUMBER 1305 |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 52 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 52 | RECORD NUMBER | 1334 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 53 | RECORD NUMBER | 1363 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 54 | RECORD NUMBER | 1392 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 55 | RECORD NUMBER | 1421 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 56 | RECORD NUMBER | 1450 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 57 | RECORD NUMBER | 1479 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 58 | RECORD NUMBER | 1508 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 59 | RECORD NUMBER | 1537 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 60 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 60 | RECORD NUMBER | 1566 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 61 | RECORD NUMBER | 1595 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 62 | RECORD NUMBER | 1624 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 63 | RECORD NUMBER | 1653 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 64 | RECORD NUMBER | 1682 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 65 | RECORD NUMBER | 1711 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 66 | RECORD NUMBER | 1740 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 67 | RECORD NUMBER | 1769 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 68 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 68 | RECORD NUMBER | 1798 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 69 | RECORD NUMBER | 1827 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 70 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 70 | RECORD NUMBER | 1856 |
| SECTION 4/ 70 NOT IN DIRECTORY | | |
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 71 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 71 | RECORD NUMBER | 1885 |
| SECTION 4/ 71 NOT IN DIRECTORY | | |
67. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 72 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 72 | RECORD NUMBER | 1914 |
| SECTION 4/ 72 NOT IN DIRECTORY | | |
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 73 | RECORD NUMBER | 1943 |
| SECTION 4/ 73 NOT IN DIRECTORY | | |
69. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 74 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 74 | RECORD NUMBER | 1972 |
| SECTION 4/ 74 NOT IN DIRECTORY | | |
70. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 75 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 75 | RECORD NUMBER | 2001 |
| SECTION 4/ 75 NOT IN DIRECTORY | | |
71. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 4, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=9552, MF= 4, MT= 91
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 2030

72. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 5, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=9552, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 2060

73. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 5, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=9552, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 2078

74. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 5, MT= 18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9552, MF= 5, MT= 18
SECTION 5/ 18 NOT IN DIRECTORY RECORD NUMBER 2101

75. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 5, MT= 37 (0): Directory (b)

ERROR(S) FOUND IN MAT=9552, MF= 5, MT= 37
SECTION 5/ 37 NOT IN DIRECTORY RECORD NUMBER 2109

76. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9552, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=9552, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2135

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.16%

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

- fudge-4.0 Errors:

1. ENDF format insists that all outgoing fission neutrons, delayed or otherwise, have spectra. For delayed neutrons this is tough.
Reading ENDF file: ../n-095-Am-244.endf (Error # 0): No delayed n dist

WARNING: More than one delayed fission neutron decay time but no MF = 5 data

2. Found a negative probability
reaction label 0: n + Am244 / Product: n / Distribution: / angularTwoBody - XYs2d:
(Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 1.9e7 eV, worst case: -0.000163887330739
WARNING: Negative probabilities encountered. Incident energy: 2.e7 eV, worst case: -0.00208568586035

3. Calculated and tabulated Q values disagree.
reaction label 27: n[multiplicity:'2'] + Am243 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5042795.754547119 eV vs -5363190. eV!

4. Calculated and tabulated Q values disagree.
reaction label 28: n[multiplicity:'3'] + Am242 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11407689.67797852 eV vs -1.17275e7 eV!

5. Weights in a weighted sum don't sum up to one
reaction label 28: n[multiplicity:'3'] + Am242 / Product: n / Distribution: / uncorre-
lated - energy - weightedFunctionals: (Error # 0): Bad weight sum

WARNING: Weights don't sum to 1.0!

6. Calculated and tabulated Q values disagree.
reaction label 29: n[multiplicity:'4'] + Am241 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -16945329.32720947 eV vs -1.72687e7 eV!

7. Calculated and tabulated Q values disagree.
reaction label 31: Am245 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6376201.121276855 eV vs 6052990. eV!

• njoy2012 Warnings:

1. Evaluation has no resonance parameters given
unresr...calculation of unresolved resonance cross sections (0): No RR

---message from unresr---mat 9552 has no resonance parameters
copy as is to nout

2. There is a problem with the fission energy release.
heatr...prompt kerma (0): HEATR/nheat (3)

---message from nheat---changed q from 2.045207E+08 to 1.941606E+08
for mt 18

3. Evaluation has no resonance parameters given
purr...probabalistic unresolved calculation (0): No RR

---message from purr---mat 9552 has no resonance parameters
copy as is to nout

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
```

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 37
only mf4/mf5 provided
```

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided
```

- njoy2012 Errors:

1. An angular distribution is negative
acer...monte carlo neutron and photon data (0): Neg. P(Ejμ) (b)

```
---message from ptleg2---negative probs found
13 for mt= 2 e= 1.900E+07
```

2. An angular distribution is negative
acer...monte carlo neutron and photon data (1): Neg. P(Ejμ) (b)

```
---message from ptleg2---negative probs found
41 for mt= 2 e= 2.000E+07
```

- accelst Warnings:

1. generic warning message
0: Warning

ACELST WARNING - More than one range for MF/MT	6	16
ACELST WARNING - More than one range for MF/MT	6	17

2. generic warning message
1: Warning

ACELST WARNING - More than one range for MF/MT	6	37
--	---	----

STOP ACELST Completed

• xsectplotter Errors:

1. ENDF format insists that all outgoing fission neutrons, delayed or otherwise, have spectra. For delayed neutrons this is tough.
(Error # 2): No delayed n dist

WARNING: More than one delayed fission neutron decay time but no MF = 5 data